LAND APPLICATION SITE GORDON ALLIE BARNES DWGAB 1-2 DINWIDDIE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS	
A. This land application agreement is made on	
Landowner: The Landowner is the owner of record of the real property located in <u>Dinwiddie</u> , Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.	
Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges	
<u>Tax Parcel ID</u> <u>Tax Parcel ID</u> <u>Tax Parcel ID</u> <u>Tax Parcel ID</u>	
7M 78 - P4	
7M 78- P3B 78-4A	
10-1A	
Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)	
Check one: The Landowner is the sole owner of the properties identified herein. The Landowner is one of multiple owners of the properties identified herein.	
 In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and Notify the Permittee of the sale within two weeks following property transfer. 	
The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.	* e
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application. Class B biosolids Water treatment residuals Food processing waste Other industrial sludges	
⊠ Yes □ No ⊠ Yes □ No ⊠ Yes □ No	
GORDON BARNES Hondon Branco MCKEDNEN 14. 23872 804-580	- 1622
GORDON BARNES Hondon Bornes McKenney VA. 23812 804-580 Landowner - Printed Name, Title Signature Mailing Address & Phone Number	, , ,
Permittee: Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.	
The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.	
☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)	
Permittee – Authorized Representative Signature PO Box 562 Remington, Virginia 22734 Mailing Address	

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

	nittee: Recyc Systems, Inc	_ County or City: Dinwiddie
Lanc	downer: beorge blass bordon Barnes	
	downer Site Management Requirement	S:
	Landowner, I have received a DEQ Biosolids Fact cation of biosolids, the components of biosolids and	Sheet that includes information regarding regulations governing the land d proper handling and land application of biosolids.
identi		at the site management requirements and site access restrictions ave been applied on my property in order to protect public health, and actices.
	ee to implement the following site management pra plids at the site:	ctices at each site under my ownership following the land application of
1.		sted by the Permittee for the purpose of identifying my field as a by the Permittee, until at least 30 days after land application at that site is
2.	Public Access a. Public access to land with a high potenti	al for public exposure shall be restricted for at least one year following
	application of biosolids. No biosolids an	al for public exposure shall be restricted for at least 30 days following any nended soil shall be excavated or removed from the site during this
	 Turf grown on land where biosolids are a when the harvested turf is placed on eith 	ovisions are made to prevent public exposure to soil, dusts or aerosols; applied shall not be harvested for one year after application of biosolids ner land with a high potential for public exposure or a lawn, unless
	otherwise specified by DEQ.	
3.	not be harvested for 14 months after the	sch the biosolids/soil mixture and are totally above the land surface shall application of biosolids.
	 Food crops with harvested parts below to application of biosolids when the biosolid months prior to incorporation into the soil 	he surface of the land shall not be harvested for 20 months after the ds remain on the land surface for a time period of four (4) or more il.
	 Food crops with harvested parts below to biosolids remain on the land surface for 	he surface of the land shall not be harvested for 38 months when the a time period of less than four (4) months prior to incorporation. of be harvested for 30 days after the application of biosolids;
	e. Feed crops shall not be harvested for 30 animals).	days after the application of biosolids (60 days if fed to lactating dairy
4.	Livestock Access Restrictions: Following biosolids application to pasture or I a. Meat producing livestock shall not be gra b. Lactating dairy animals shall not be graz c. Other animals shall be restricted from gr	azed for 30 days, ed for a minimum of 60 days.
5.	Supplemental commercial fertilizer or manure app	olications will be coordinated with the biosolids and industrial residuals rients are not exceeded as identified in the nutrient management plan
6.	Tobacco, because it has been shown to accumula years following the application of biosolids or indupounds/acre (0.5 kilograms/hectare).	ate cadmium, should not be grown on the Landowner's land for three strial residuals which bear cadmium equal to or exceeding 0.45
	Gordon Barnes	7/14/17
	Landowner's Signature	Date
1		
11	Farm Operator Signature	Mailing Address & Phone Number / 23872
	- Constitution originature	Walling Address & Phone Number / 23872

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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc

Site Name:

Gordon Allie Barnes

County or City:

Dinwiddie County

Please Print

Signature not required on this page

	•
Tax Parcel ID(s)	Landowners (s)
78-4	Gordon Allie Barnes
78-4A	Gordon Allie Barnes
78-3B	Gordon Allie Barnes

FARM DATA SHEET

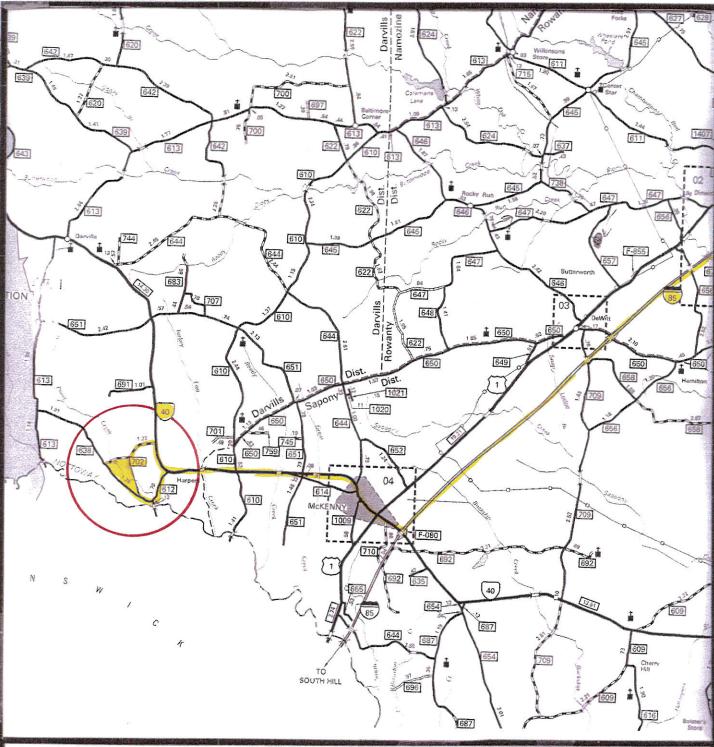
SITE NAME:	Gordon Allie Barnes	COUNTY:	Dinwiddie
OWNER:	Gordon Allie Barnes	OPERATOR:	Hugh T. Rogers
OWNER'S	5012 Harpers Rd.	OPERATOR'S	5112 Lennie Rd.
ADDRESS:	McKenney, VA 23872	ADDRESS:	McKenney, VA 23872
OWNER'S TELEPHONE:	804-586-1622	OPERATOR'S TELEPHONE:	434-955-7814
GENERAL FARM TYPE:	Нау	CELL PHONE:	-
# CATTLE:	None	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	36.994
TOPO QUAD:	Warfield Darvills	LONGITUDE:	-77.813
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
			BB (12-3-19

MAPS

Recyc Systems...

(Biosolids Land Application)





Scale:

1 inch = 2 Miles

DWGAB 1-2

12-3-19

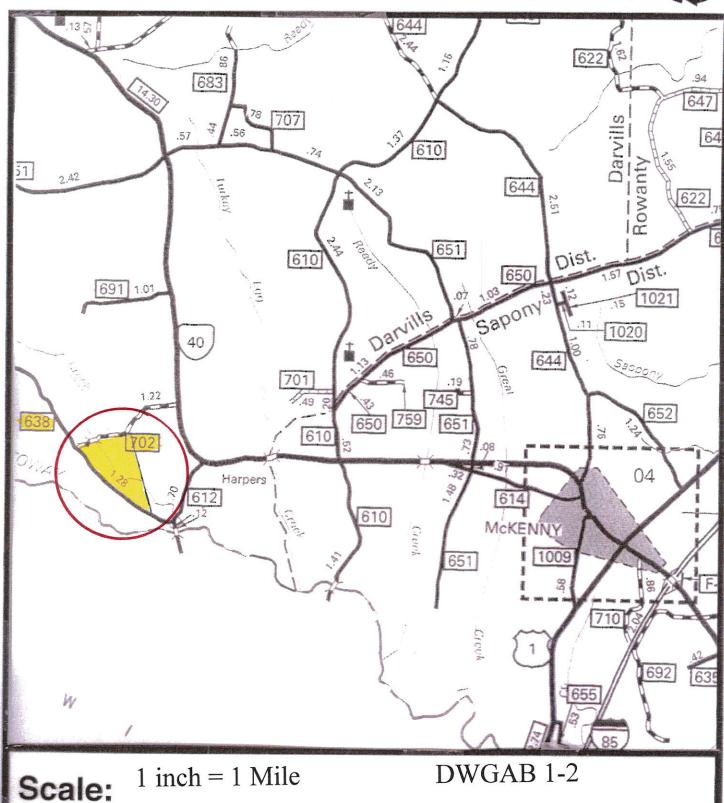
VICINITY MAP

N

Recyc Systems Inc.

(Biosolids Land Application)



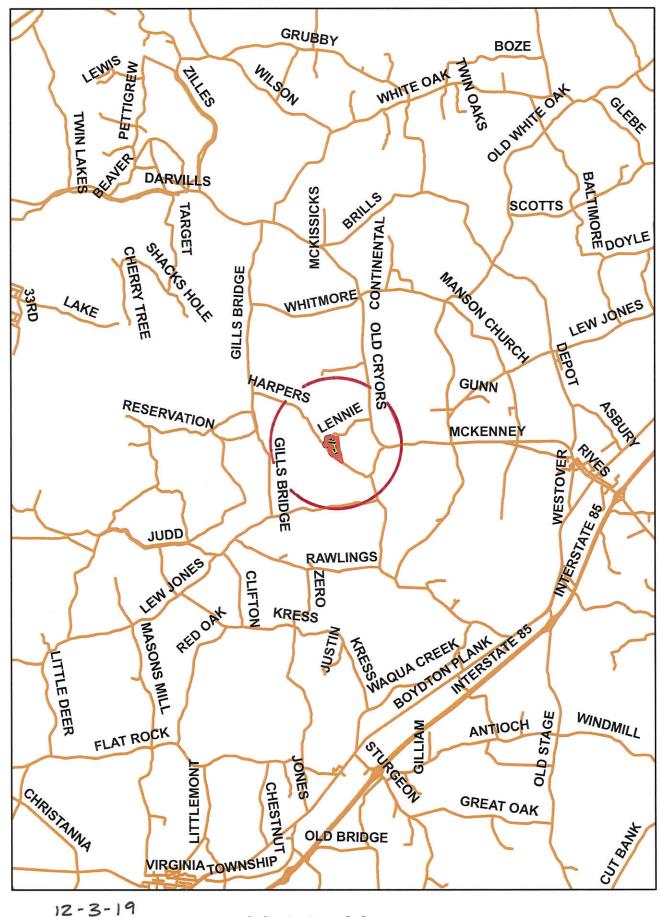


12-3-19

VICINITY MAP

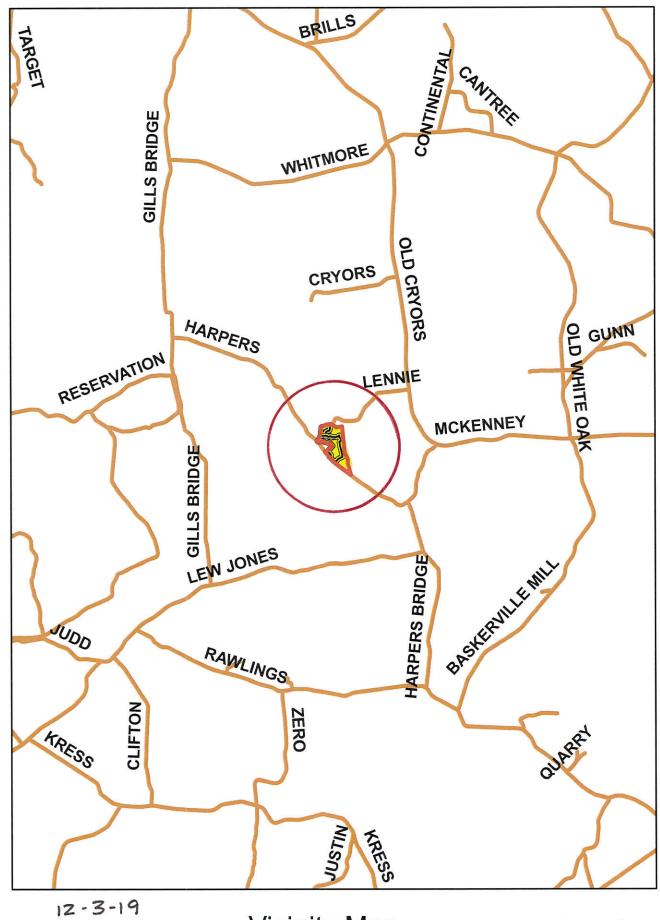
Truck Route marked in Yellow









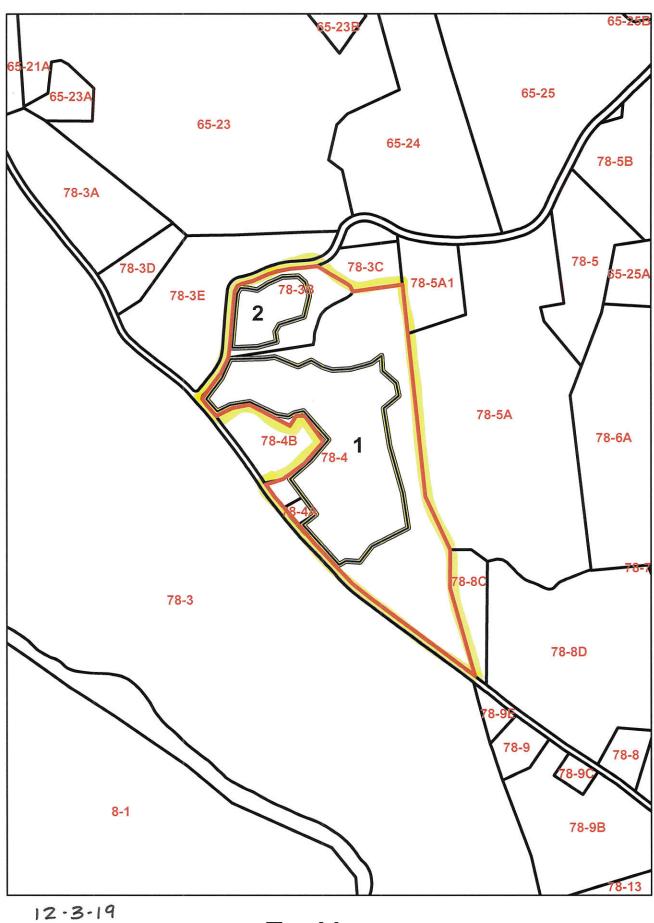






Gordon Allie Barnes

DWGAB





Tax Map

1 in = 660 feet

ADJOINING LANDOWNERS

Gordon Allie Barnes

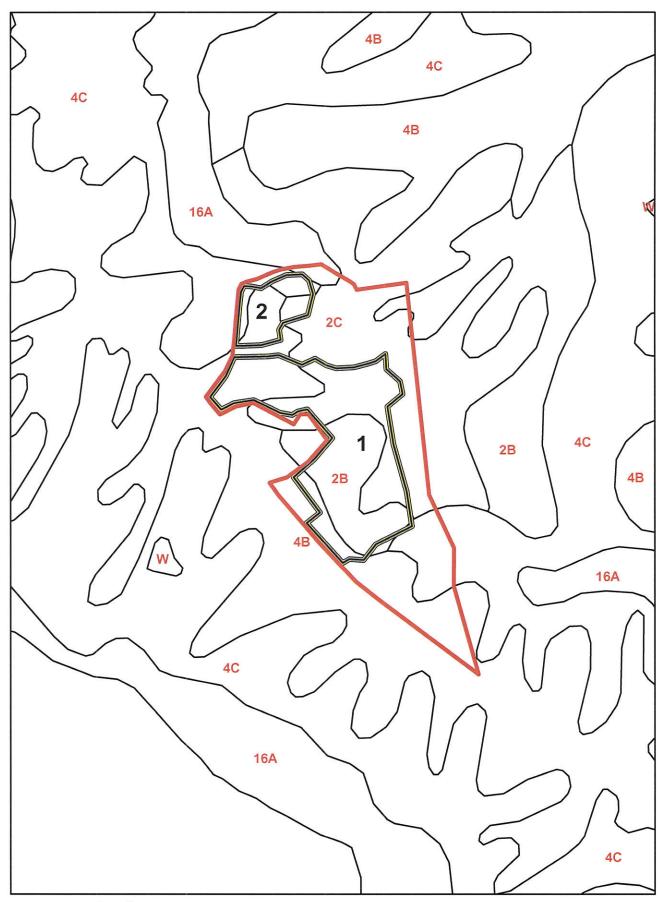
DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
78	3	Earl Alan and Wran M. Mullis
	3C	Hugh T. Rogers
	3E	Earl Alan and Mayme W. Mullis
	4B	Barnes Living Trust
	5A	William S. Killpatrick
	5A1	Adam G. Rice and Sarah Kenturah
	8C	Kimberly Whitehurst
	9E	John I and Meryl B. Harris
	, -	
1		
1		

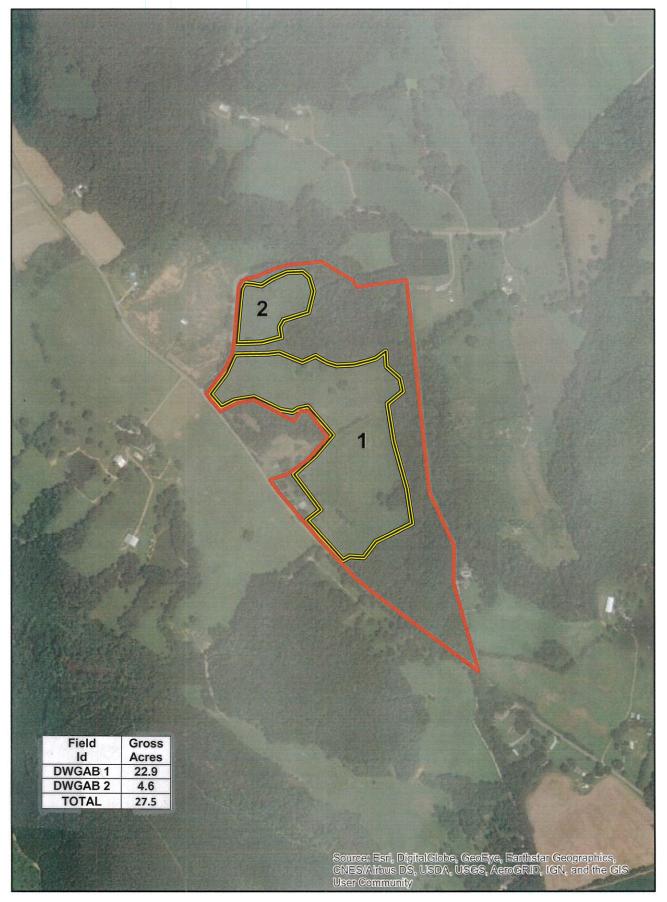


Gordon Allie Barnes

DWGAB









Recyc Systems.

(Biosolids Land Application)





Scale: 1 inch = 660 feet

DWGAB 1

AERIAL MAP



Recyc Systems.

(Biosolids Land Application)





Tract# 5455

Scale:

1 inch = 660 feet

DWGAB 2

AERIAL MAP

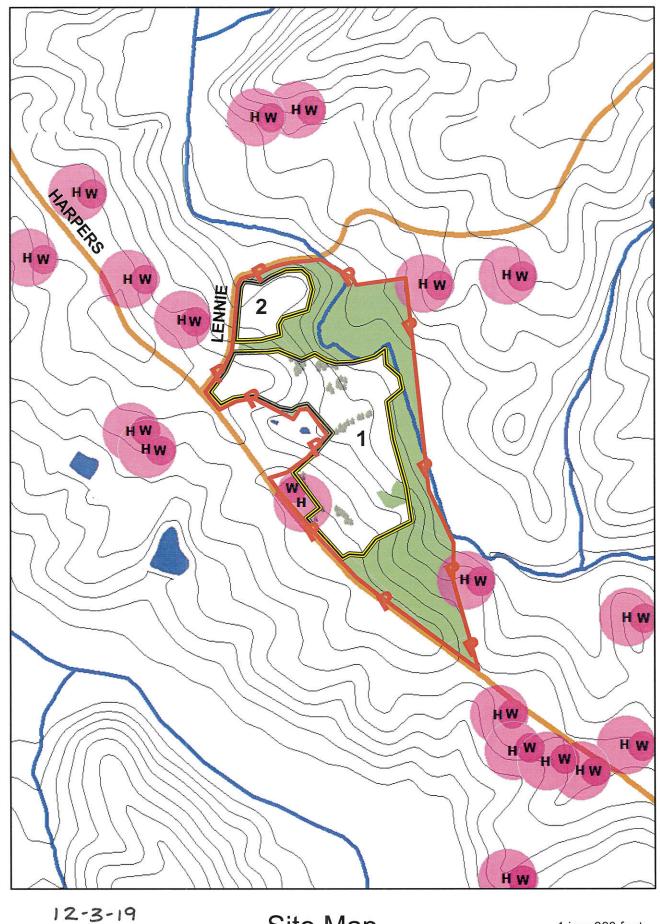


Legend For Site Plan

Symbol	Feature	Minimum Setback
H/W	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
w s	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
Ē	Severely Eroded Spot	18 Inch minimum depth of soil
5	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
P P P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.

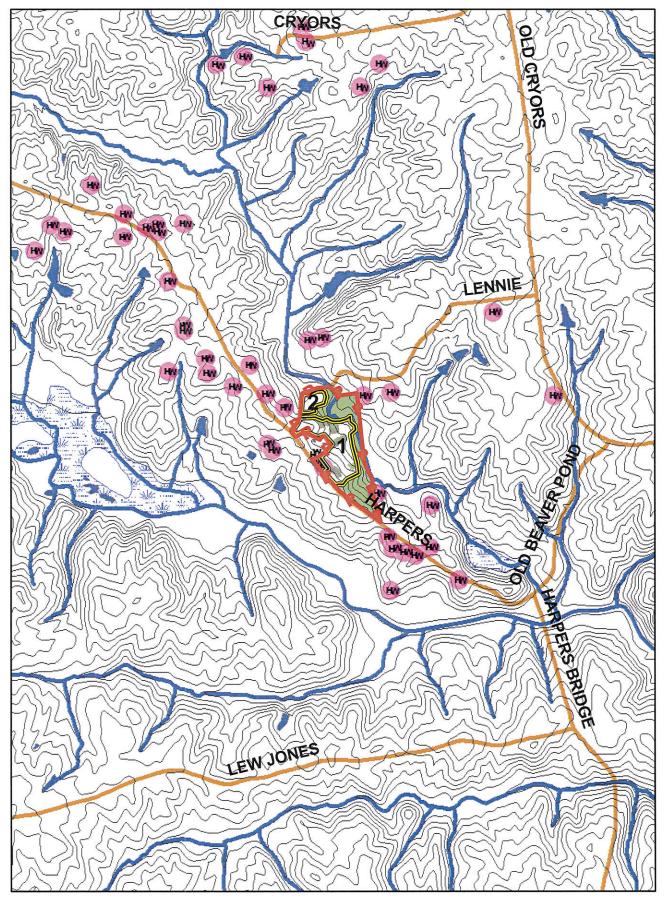






Site Map







RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Environr	nentally Se	ensitive	Soils		Tax	FSA
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map#	Tract #
	20								T 477
DWGAB 1	51053-00125-0000	22.9	-	-	-	-	CU 11	78-4	F 1, 2, 3, 6, 7, 8
									T 5455
DWGAB 2	51053-00126-0000	4.6	-	-	=	-	CU 11	78-3B	F 2
	*								
TOTAL ACRES IN SITE		27.5							

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Spring, 2020-Summer, 2022) Gordon Allie Barnes Planner: John Doe

Tract: 477

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2, 3, 6, 7, 8/DWGAB 1(N)	23/23	2020	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5455

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
2/DWGAB 2(N)	5/5	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
477	DWGAB 1	23	[No Test]						
5455	DWGAB 2	5	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
477	477/1, 2,	DWGAB 1	23	Appling	IVa	II	III	III	
	3,								
5455	5455/2	DWGAB 2	5	Cecil	IVa	П	Ш	II	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
l	>170	>80	>64	>6	>4.0
11	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2020 - Summer, 2022

Farm Name: Gordon Allie Barnes

Location: Dinwiddie Specialist: John Doe N-based Acres: 27.5 P-based Acres: 0.0

Tract Name: 477 FSA Number: 477

Location: Dinwiddie

Field Name: DWGAB 1

Total Acres: 22.90 Usable Acres: 22.90

FSA Number: 1, 2, 3, 6, 7, 8

Tract: 477

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

39	2B	Appling
35	2C	Appling
26	4B	Cecil

Field Warnings:

Tract Name: 5455 FSA Number: 5455

Location:

Dinwiddie

Field Name:

DWGAB 2

Total Acres: 4.60 Usable Acres: 4.60

FSA Number: 2

Tract:

5455

C

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH Ρ

K

Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

2C **Appling** 20 45 4B Cecil 35 4C Cecil

Field Warnings:

([1		1	1		[1			